

APPARATUS FOR CONFINING THE IMPURITIES OF A MOLTEN METAL
CONTAINED INTO A CONTINUOUS CASTING MOULD

ABSTRACT

Apparatus for confining the impurities in a molten
5 metal fed by means of a discharger and contained into an
area (3) of a strip continuous casting mould delimited by
the side surfaces of two casting rolls with counter-
rotating horizontal axis (1a, 1b) and by two containment
side plates (2a, 2b) positioned in contact with the
10 rolls' bases, comprising:

- a discharger (4) having at least two first series of
holes (4a, 4a') for the molten metal supply, each
series being formed by at least a pair of holes
respectively directed towards one of the opposed side
15 surfaces of the two rolls (1a, 1b) and at least a
second pair of holes (4b, 4b') for the molten metal
supply, each hole of such second pair being directed
towards the side plate nearest thereto, and said at
least one second pair of holes (4b, 4b') being
20 positioned at a greater depth with respect to said
two first series of holes (4a, 4a');
- at least two pairs of barriers (5) present in one part
of the area (3) comprised between the end of the
plunger and the containment side plates (2a, 2b),
25 forming the cross-sections of said barriers
therebetween, lying on a same horizontal plane, an Y
angle.

The figure 1a shows the cross-section of an
embodiment of the apparatus according to the present
30 invention.